

SPECIFICATIONS

MECHANICAL:
SHOCK: MIL-STD 202 METHOD 213B,
COND. K.
VIBRATION: MIL-STD 202 METHOD 201
LIFE: 300 INSERTION/WITHDRAWAL
CYCLES (MINIMUM)

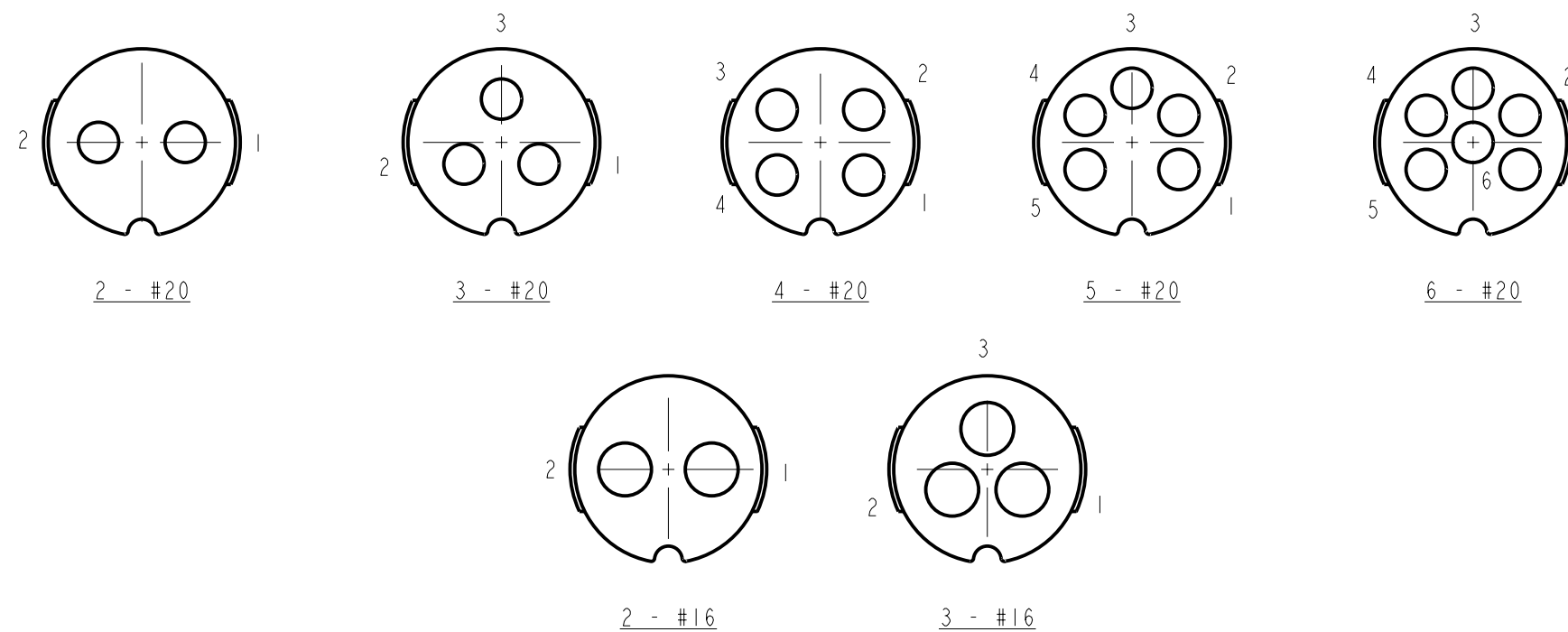
ELECTRICAL
DIELECTRIC WITHSTANDING VOLTAGE: 1,000 VAC
INSULATION RESISTANCE: 100 MEGOHMS (MIN) AT 77°F
CONTACT RESISTANCE: 5.0 MILLOHMS MAX.
CURRENT RATING: 7.5 AMPS (#20 CONTACT)
13.0 AMPS (#16 CONTACT)

ENVIRONMENTAL
TEMPERATURE LIMITS: -40°C TO +65°C (NON-OPERATING)
MOISTURE RESISTANCE: MIL-STD 202 METHOD 106F
INSULATION RESISTANCE: MIL-STD 202 METHOD 302, COND. B
THERMAL SHOCK: MIL-STD 202 METHOD 107G
SALT SPRAY: MIL-STD 202 METHOD 101D, COND. B
WATER TIGHTNESS TEST: U.S. COAST GUARD CFR 46 PART 110.20

MATERIALS:
CORD CONNECTOR SHELL, CONTACT
LOCKING DISK, COUPLING RING AND CABLE CLAMP
ASSEMBLY:
THERMOPLASTIC POLYMER GLASS FIBER, FLAME RETARDANT

REAR BOOT AND CONNECTOR SHELL INTERIOR:
THERMOPLASTIC RUBBER

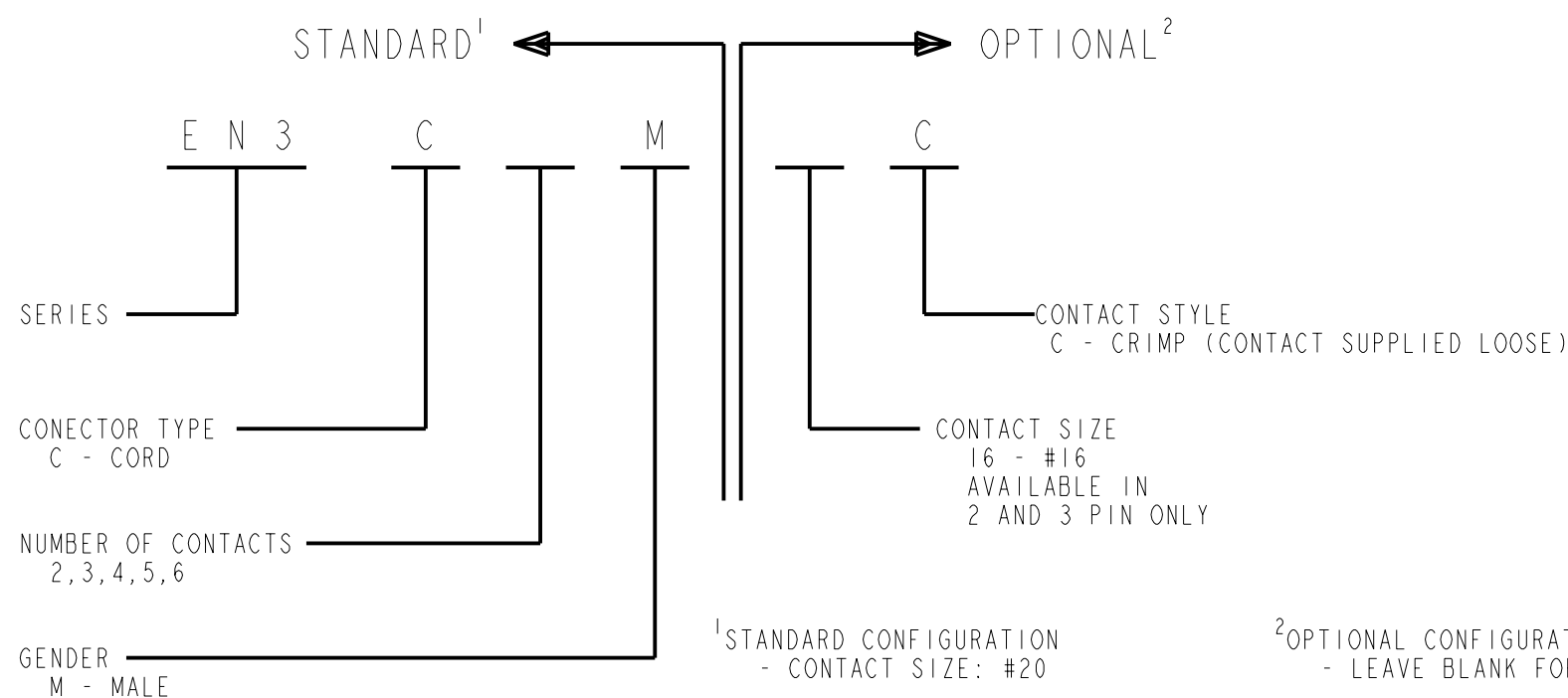
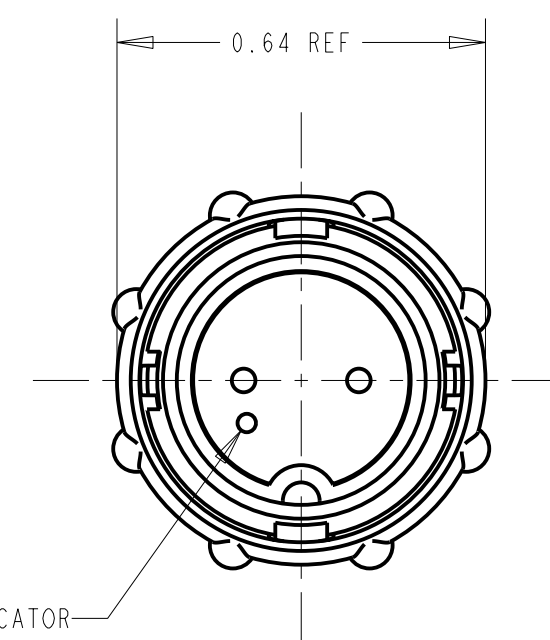
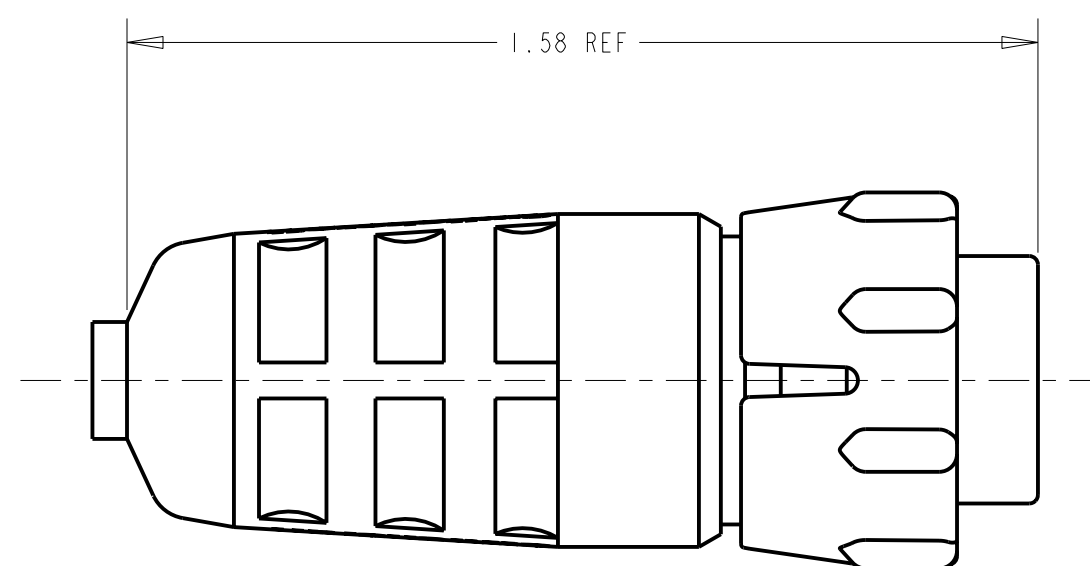
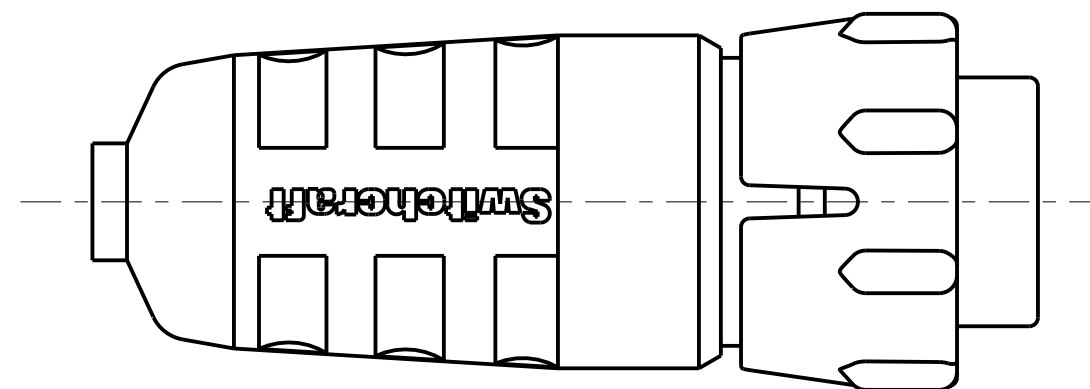
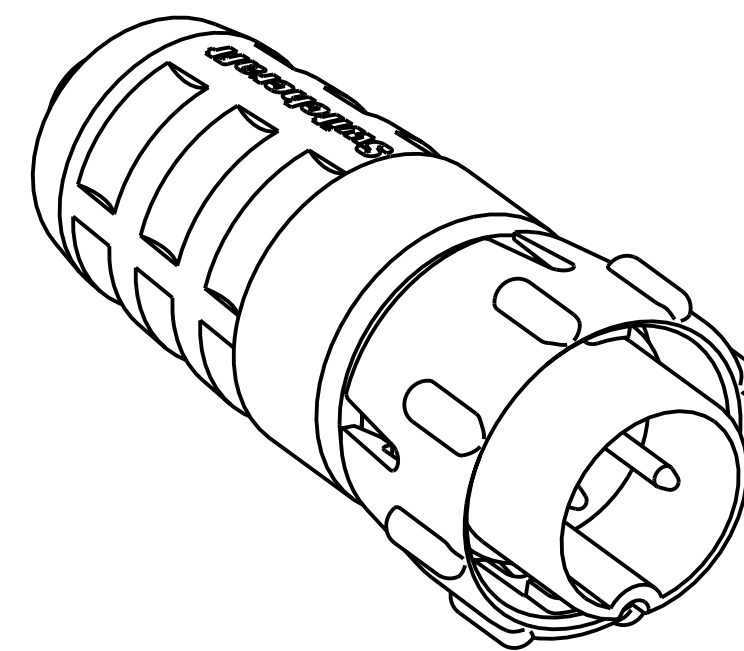
CONTACTS: COPPER BASE ALLOY GOLD-PLATED
OVER NICKEL UNDERPLATE



CONTACT ARRANGEMENTS

SHOWN ARE REAR VIEWS OF
MALE CORD CONNECTORS

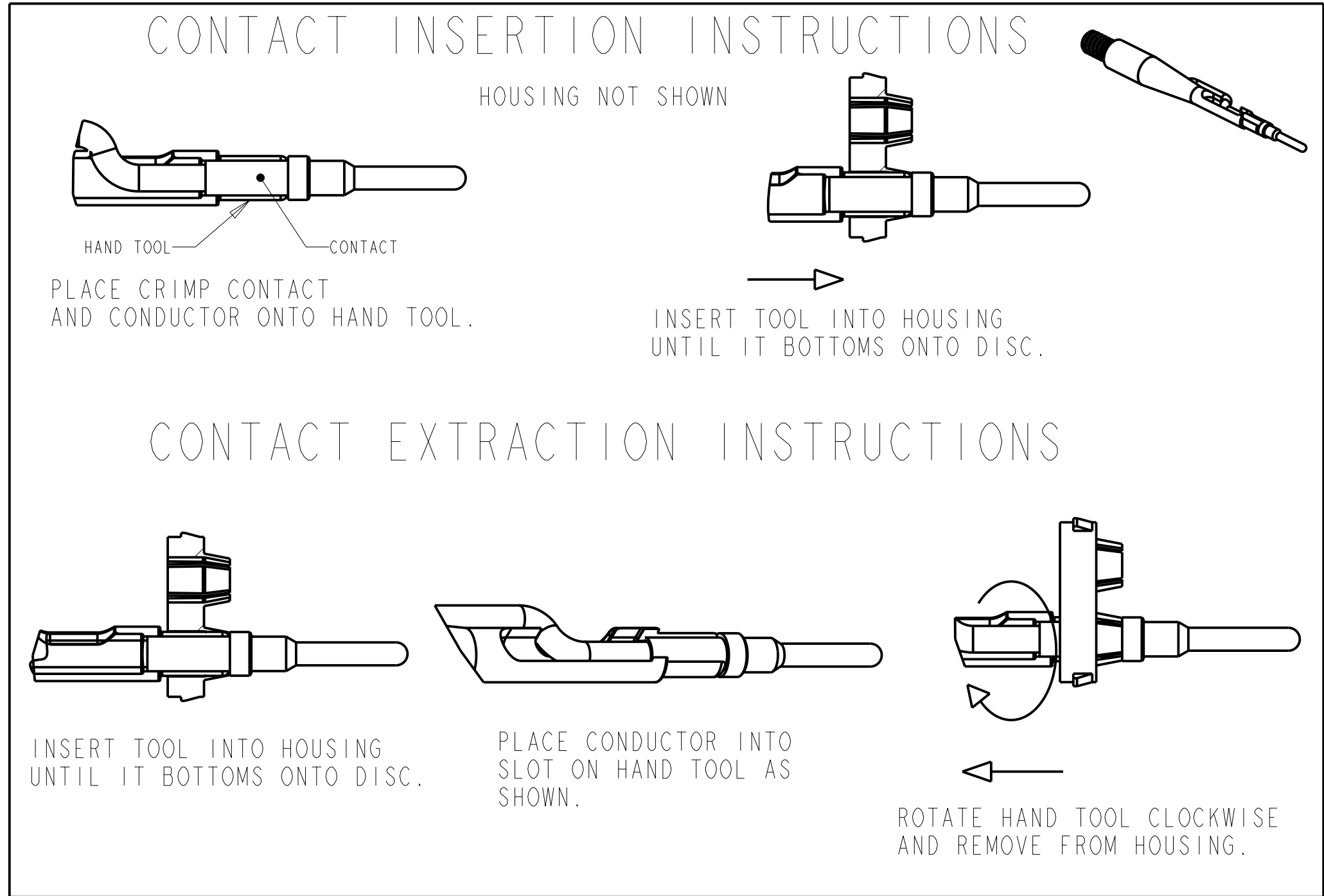
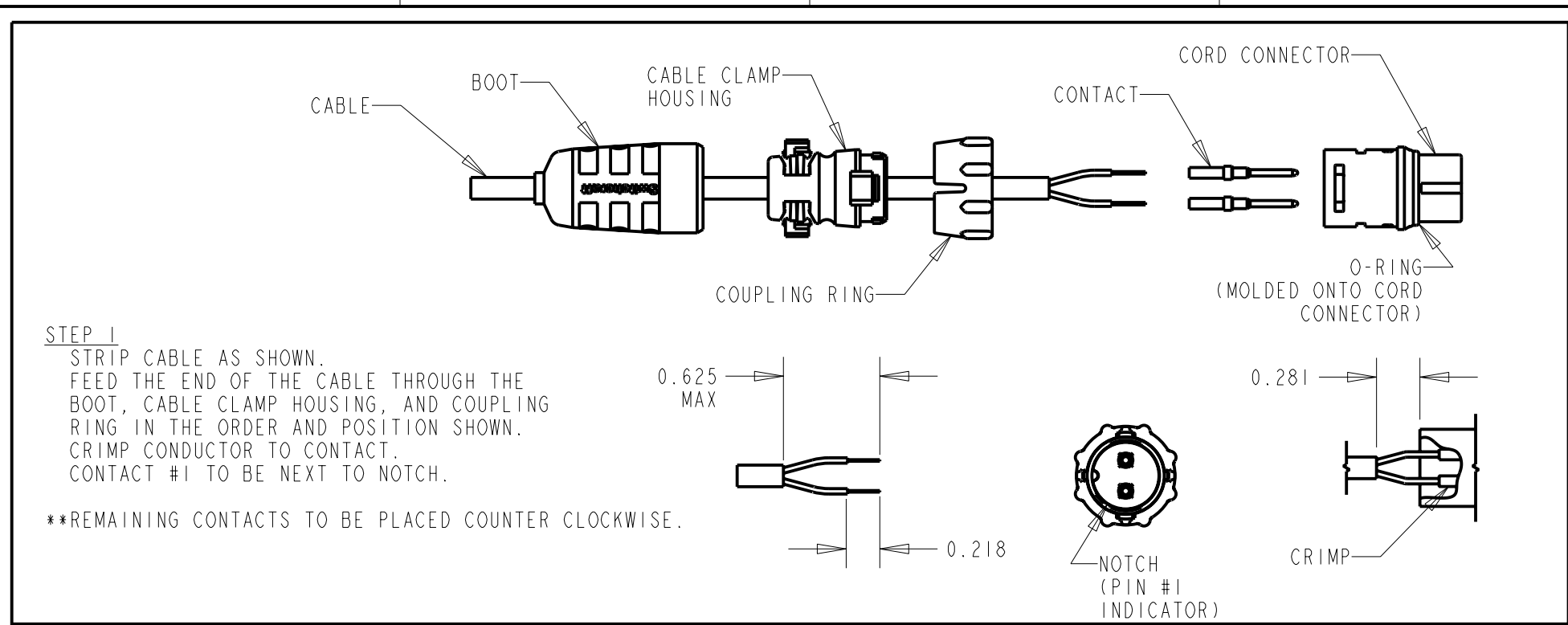
NOTE: #7 AND #8 PIN NOT AVAILABLE
IN MALE CORD CONNECTOR.



- CONTACT STYLE: SOLDER CUP
- CONTACT PLATING: GOLD
- PACKAGED IN BULK

CUSTOMER DRAWING

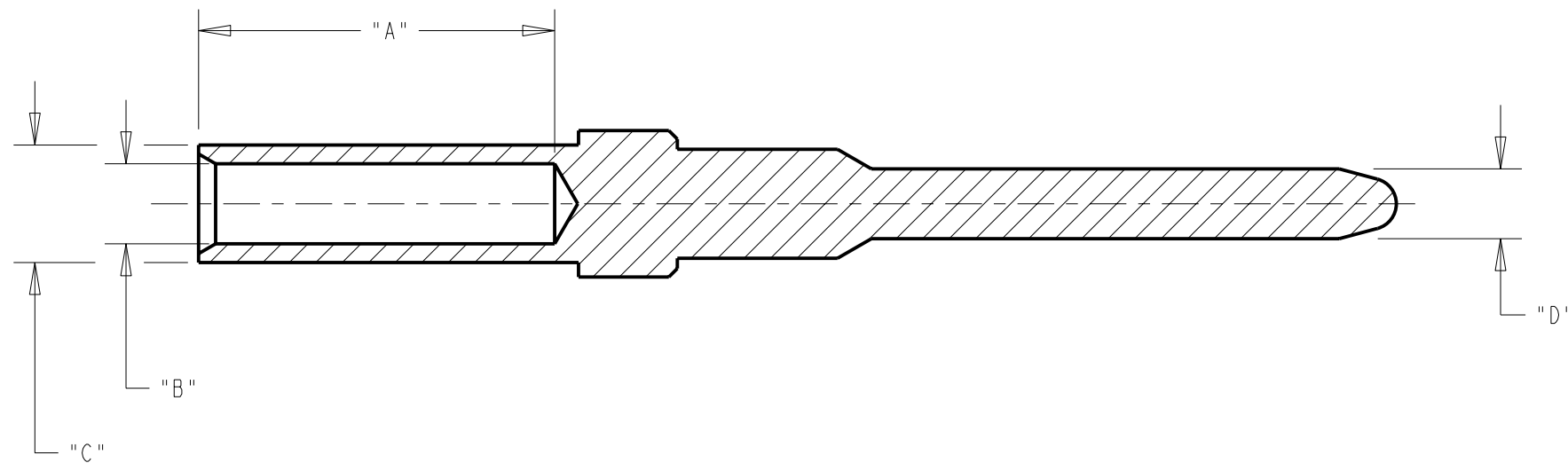
						★ STAR SYMBOL DENOTES CRITICAL DIMENSION	THIS DRAWING DESCRIBES A DESIGN CONSIDERED PROPRIETARY IN NATURE, DEVELOPED AND MANUFACTURED BY SWITCHCRAFT INC. AND IS RELEASED ON A CONFIDENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY.											
						UNLESS OTHERWISE SPECIFIED	SIZE	WIDTH			MULT		LBS/M		TEMPER			
D	22232	6-12-98	SG	RB		1. ALL DIMENSIONS IN INCHES - TWO PLACE DECIMALS ±0.01 - THREE PLACE DECIMALS ±0.005 - ANGLES ±1° - ALL DIA. CONCENTRIC WITHIN 0.005 T.I.R.	FINISH SPEC No.			MATERIAL SPEC No.								
C	21282	1-31-97	SG	RB		2. FEATURES ON THE SAME CENTERLINE MUST BE ALIGNED WITHIN ±0.002	FIRST USED ON			SCALE 3:1			Switchcraft®					
B	20897	1-31-97	SG	RB		3. REMOVE ALL BURRS	DATE DRAWN 11-28-95		BY SG	CHKD SG 11-28-95		APVD RB 12-1-95						
A	RELEASE TO MFG ECO #20698	4-2-96	CCB	RB			NAME		PART No.						REV			
REV	ECO NUMBER	DATE	BY	APVD		DO NOT SCALE DRAWING	MALE CORD CONNECTOR						FN3C M C		D			
REVISIONS																		



EN3 CRIMP TOOL				
SWITCHCRAFT PART NUMBER	DESCRIPTION	CONTACT SIZE	MANUFACTURER PART NUMBER	MILITARY PART NUMBER
EN3CR	CRIMP HAND TOOL FRAME	#20, #16	DMC MH860	M22520/7-01
EN3CRAUTO	POWER CRIMP TOOL	#20, #16	DMC WA22P	
EN3POS20	POSITIONER	#20	DMC 86-15	M22520/7-02
EN3POS16	POSITIONER	#16	DMC 86-3	M22520/7-04

CONTACT PART NO.	CONTACT SIZE	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	WIRE GAUGE RANGE	INSERTION/ EXTRACTION HAND TOOL
EN3CC20M	#20	0.209	0.047	0.069	0.041	#20-22-24	EN3INS20
EN3CC16M	#16	0.218	0.067	0.095	0.062	#16-18-20	EN3INI6

RECOMMENDED STRIP LENGTH: 0.218
ALL DIMENSIONS ARE REFERENCE UNLESS OTHERWISE SPECIFIED



CUSTOMER DRAWING

SCALE 3:1	Switchcraft®		
DATE DRAWN 15-Apr-96			
DRAWN BY CCB	PART No. EN3C_M_C	REV D	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Switchcraft:

[EN3C5MX](#) [EN3CR](#) [EN3POS20](#) [EN3POS16](#) [EN3INS16](#) [EN3CRAUTOX](#)